INDUSTRY REVIEW

1987

Preface

The Carpet and Rug Institute is the national trade association representing the carpet and rug industry in the United States. CRI members are either manufacturers of carpet, rugs or other industry products, or are suppliers of raw materials and services to the industry.

The work of the Institute is under the direction of an elected Chairman and Board of Directors and an appointed President. Each phase of industry activity is assigned to professional staff in such areas as marketing, public relations, member services, governmental and consumer affairs, and technical services.

Lending their time and expertise to assist the staff are personnel from member companies who work on committees and subcommittees.

CRI maintains permanent offices in Dalton, Georgia, and in Washington, D.C.

Highlights of 1986

- Shipments totaled $7.3 billion, an increase of 10.5 percent from 1985.
- Total square yards reached 1.254 billion, up 8.2 percent from 1985.
- Tufted's share of market was 94.4 percent on a square yard basis, and 94.1 percent based on dollars.
- Woven products held a 1.3 percent share on a square yard basis and 3.2 percent based on dollars.
- Nylon held an 77.9 percent share of the face fiber market; polypropylene ranked second with 15.1 percent; polyester 6.6 percent: and wool just under one percent.
- Export sales were $181.2 million, up 9.7 percent from 1985.
- The top five markets of U.S. exports were: Saudi Arabia, Canada, Kuwait, United Arab Emirates, and Japan.
- Imports reached $585.8 million, an increase of 14.8 percent from 1985.
- The top five suppliers to the U.S. were: China, India, Belgium, Pakistan and Iran.

Highlights of 1985

- Shipments totaled $6.606 billion, an increase of 2.2 percent from 1984.
- Total square yards reached 1.159 billion, up 4.0 percent from 1984.
- Tufted's share of market was 94.8 percent on a square yard basis, and 94.2 percent based on dollars.
- Woven products held a 1.3 percent share on a square yard basis and 3.4 percent based on dollars.
- Nylon held a 78.0 percent share of the face fiber market; polypropylene ranked second with 15.2 percent; polyester 6.2 percent; and wool almost one percent.
- Export sales were $165.1 million, down 31.3 percent from 1984.
- The top five markets for U.S. exports were: Saudi Arabia, Canada, Kuwait, United Arab Emirates, and Japan.
- Imports reached $510.4 million, an increase of 11.2 percent from 1984.
- The top five suppliers to the U.S. were: India, China, Belgium, United Kingdom, Iran and Pakistan.

Table of Contents

Total Industry Shipments — Square Yards	2
Total Industry Shipments — Dollar Value	3
Total Industry Shipments — Quarterly — Square Yards	4
Tufted Shipments — Square Yards	4
Woven Shipments — Square Yards	4
All Other Shipments — Square Yards	4
Total Industry Shipments — Quarterly — Dollar Value	5
Tufted Shipments — Dollar Value	5
Woven Shipments — Dollar Value	5
All Other Shipments — Dollar Value	5
Producer Price Index	6
Carpet and Rug Trade Balance	6
Appendix Table 1 — Total Industry Shipments — Square Yards	7
Appendix Table 2 — Total Industry Shipments — Dollar Value	7
Appendix Table 3 — Total Industry Shipments Quarterly Analysis	8
Appendix Table 4 — Total Industry Shipments	9
Appendix Table 5 — Total Broadloom Shipments	9
Appendix Table 6 — Carpet and Rug Fiber Shipments	10
Appendix Table 7 — Housing Starts/Tufted Roll Goods and Rugs Larger Than 6' x 9'	10
Appendix Table 8 — Exports and Imports	11
Appendix Table 9 — Carpet/Total Textiles Balance of Trade	11
Appendix Table 10 — 1986 Exports of Carpet and Rugs By Type	12
Appendix Table 11 — 1986 Imports of Carpet and Rugs By Type	14
Appendix Table 12 — Primary Backing Consumed	16
Appendix Table 13 — Secondary Backing Consumed	16
Appendix Table 14 — Total Industry Shipments, Population, Total Personal Income	17
Appendix Table 15 — Broadloom Carpet Shipments, Households, Disposable Personal Income	17

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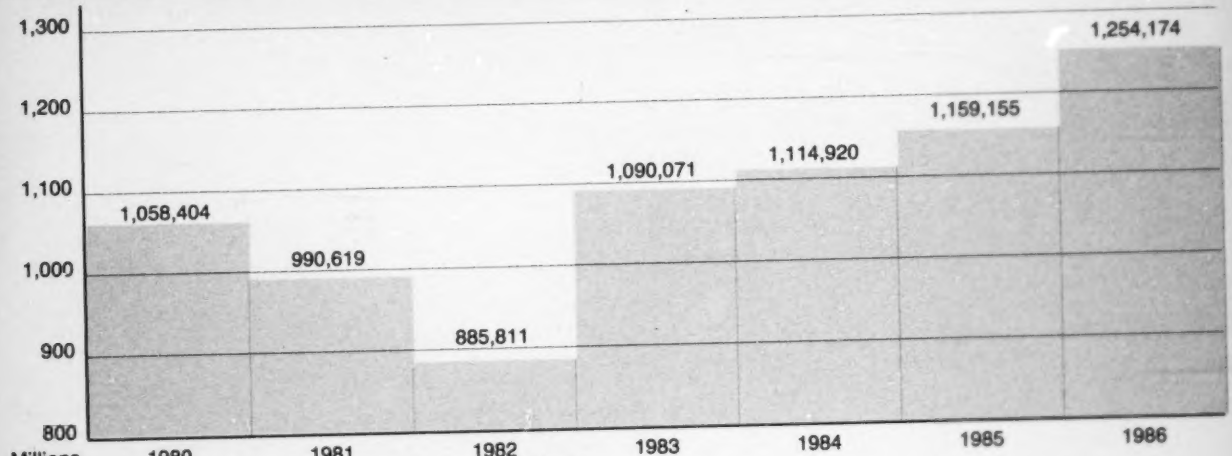
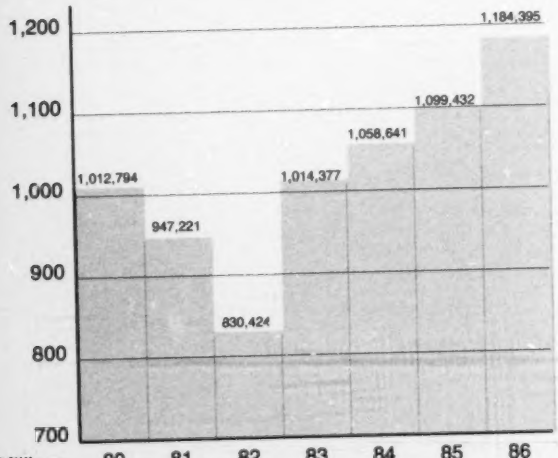
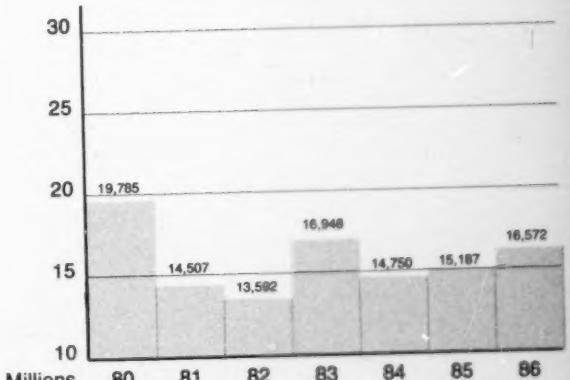
TOTAL INDUSTRY SHIPMENTS — SQUARE YARDS



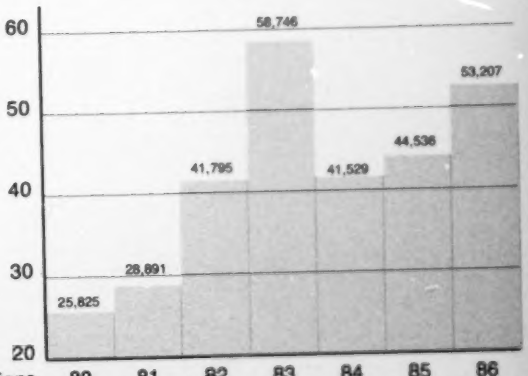
Millions Sq. Yds. Includes all tufted, woven and all other carpet and rugs.



Millions Sq. Yds. Includes rug and roll goods larger than 6' x 9', rugs smaller than 6' x 9', tufted artificial grass for non-athletic surfaces and automobile and aircraft carpet.



Millions Sq.Yds Includes Velvet, Wilton, Axminster and other types of woven carpet and rugs.

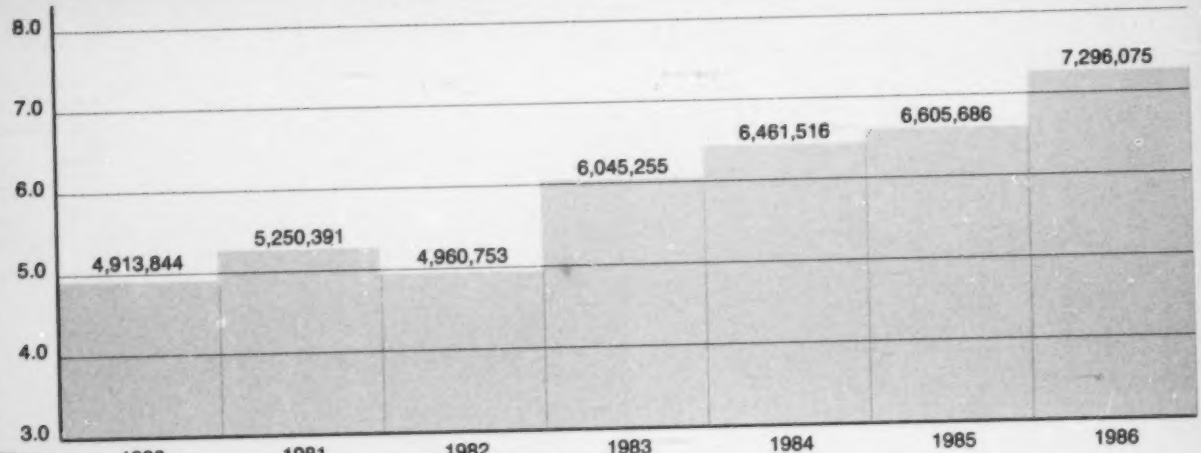


Millions Sq. Yds. Includes knitted, needlepunch, braided, hooked and other carpet and rugs not elsewhere classified (N.E.C).

Refer to Appendix Table 1, page 7, for additional data.

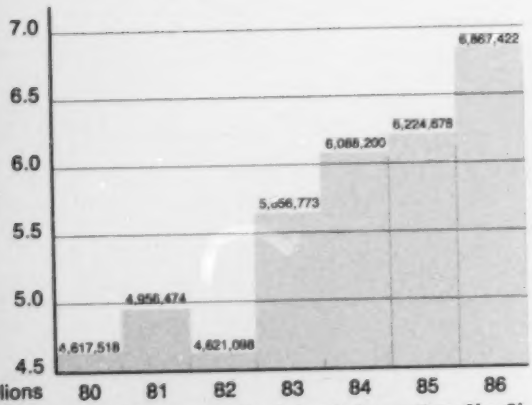
Source: U.S. Department of Commerce, Bureau of the Census, Current Industrial Reports, "Carpet and Rugs," Series MA-22Q.

TOTAL INDUSTRY SHIPMENTS — DOLLAR VALUE



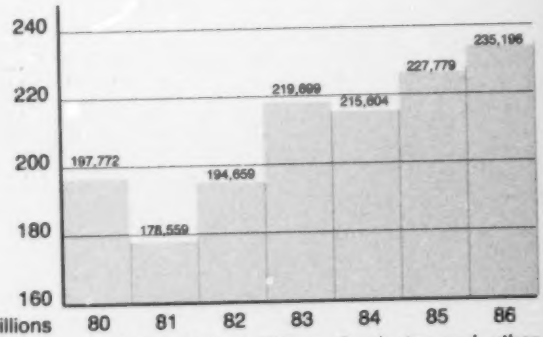
Billions of Dollars

Includes all tufted, woven and all other carpet and rugs.



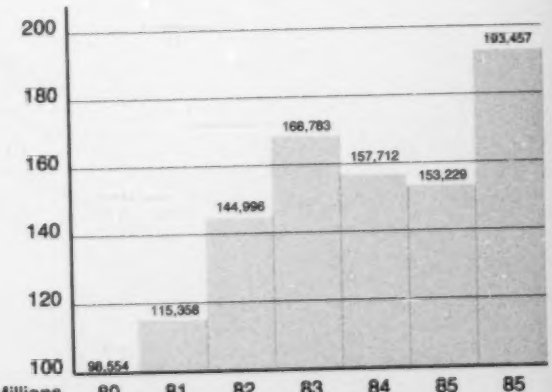
Billions of Dollars

Includes rugs and roll goods larger than 6' x 9', rugs smaller than 6' x 9', tufted artificial grass for non-athletic surfaces and automobile and aircraft carpet.



Millions of Dollars

Includes Velvet, Wilton, Axminster and other types of woven carpet and rugs.



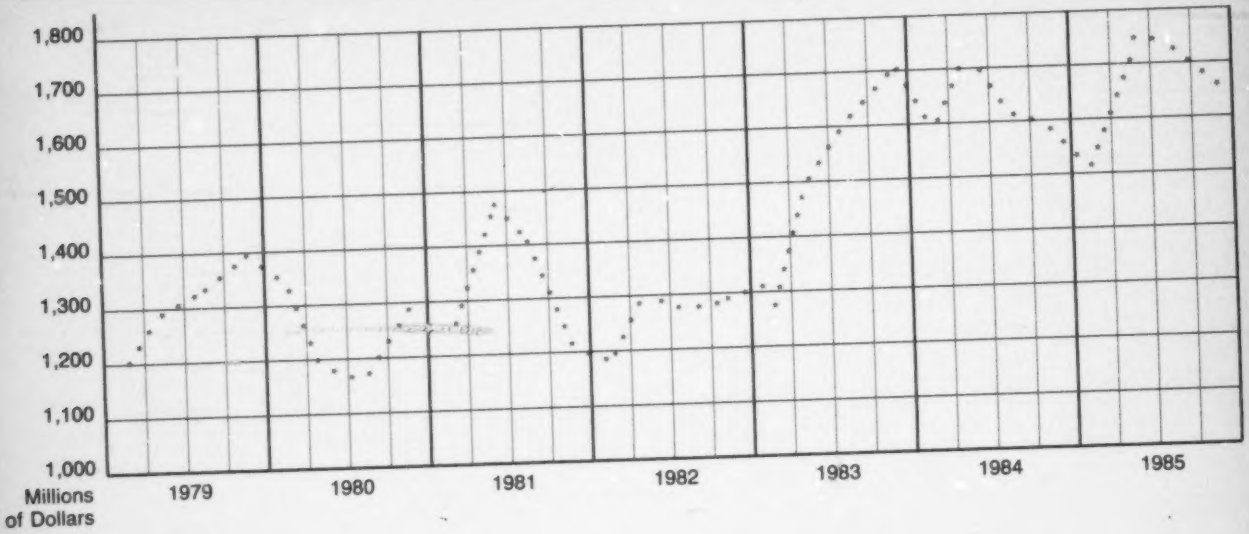
Millions of Dollars

Includes knitted, needlepunch, braided, hooked and other carpet and rugs N.E.C.

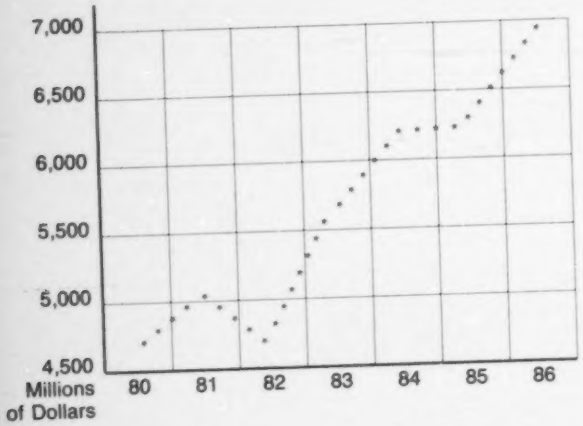
Refer to Appendix Table 2, page 7, for additional data.

Source: U. S. Department of Commerce, Bureau of the Census, Current Industrial Reports, "Carpet and Rugs," Series MA-22Q.

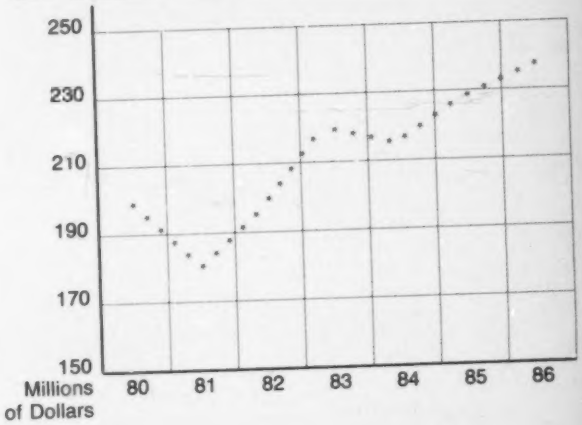
TOTAL INDUSTRY SHIPMENTS — QUARTERLY — DOLLARS



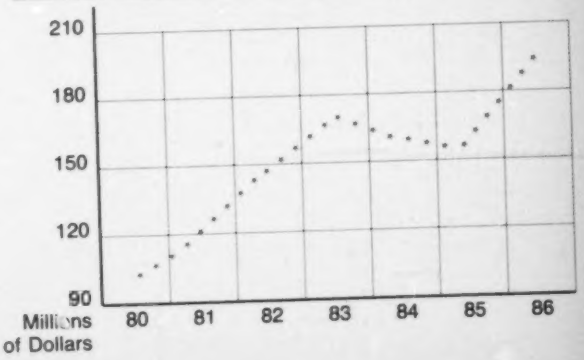
TUFTED SHIPMENTS — DOLLARS



WOVEN SHIPMENTS — DOLLARS



ALL OTHER SHIPMENTS — DOLLARS

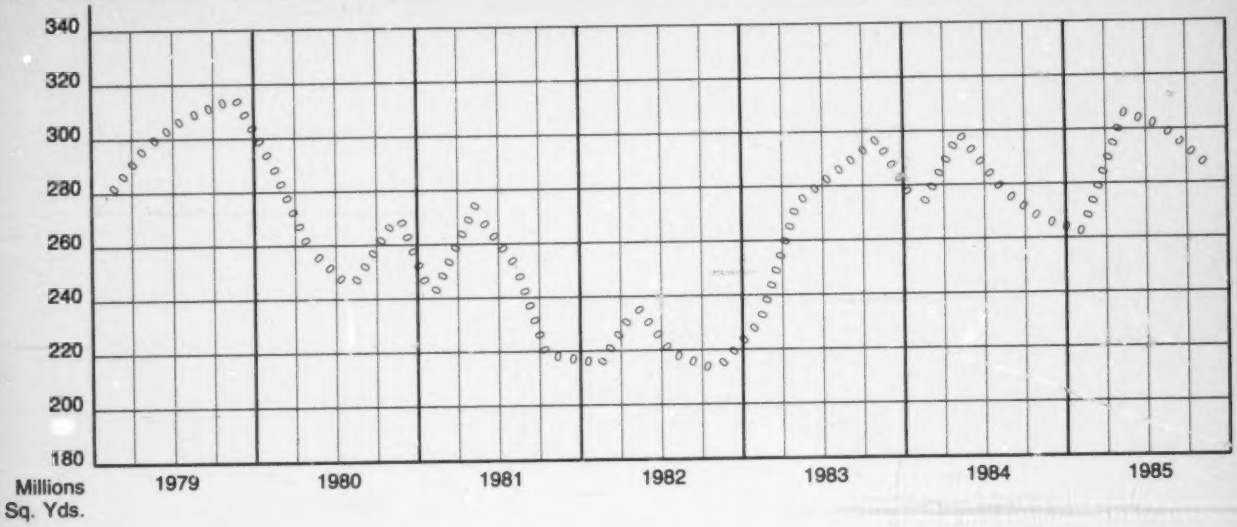


Refer to Appendix Tables 2 and 3 for additional data.

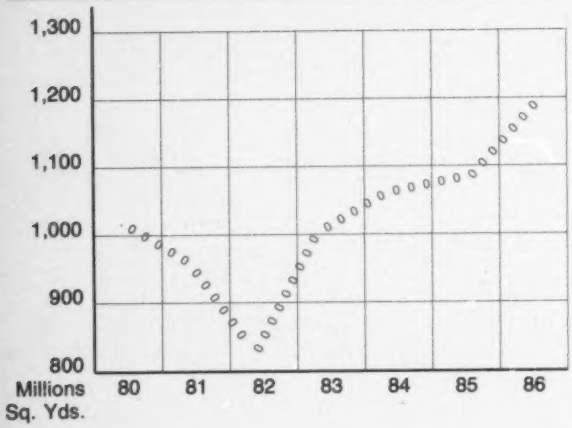
Source: U. S. Department of Commerce, Bureau of the Census, Current Industrial Reports, "Carpet and Rugs," Series MQ-22Q.

Note: The Department of Commerce Bureau of the Census, has discontinued the quarterly survey as of January, 1986.

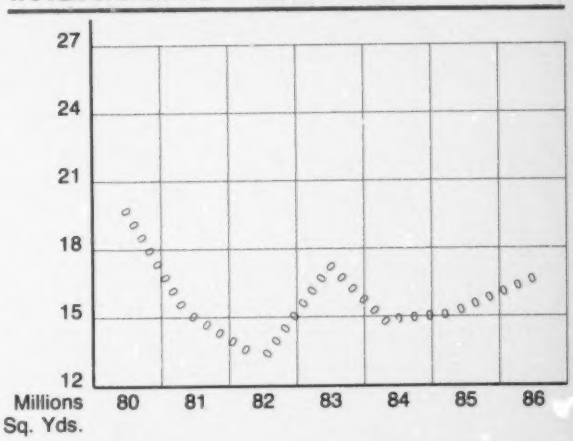
TOTAL INDUSTRY SHIPMENTS — QUARTERLY — SQUARE YARDS



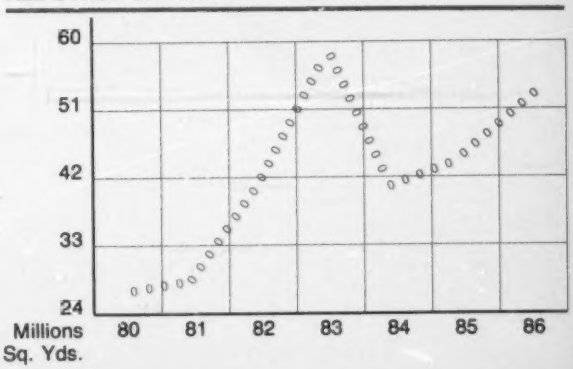
TUFTED SHIPMENTS — SQUARE YARDS



WOVEN SHIPMENTS — SQUARE YARDS



ALL OTHER SHIPMENTS — SQUARE YARDS



Refer to Appendix Table 1 and 3 for additional data.

Source: U. S. Department of Commerce, Bureau of the Census, Current Industrial Reports, "Carpet and Rugs," Series MQ-22Q.

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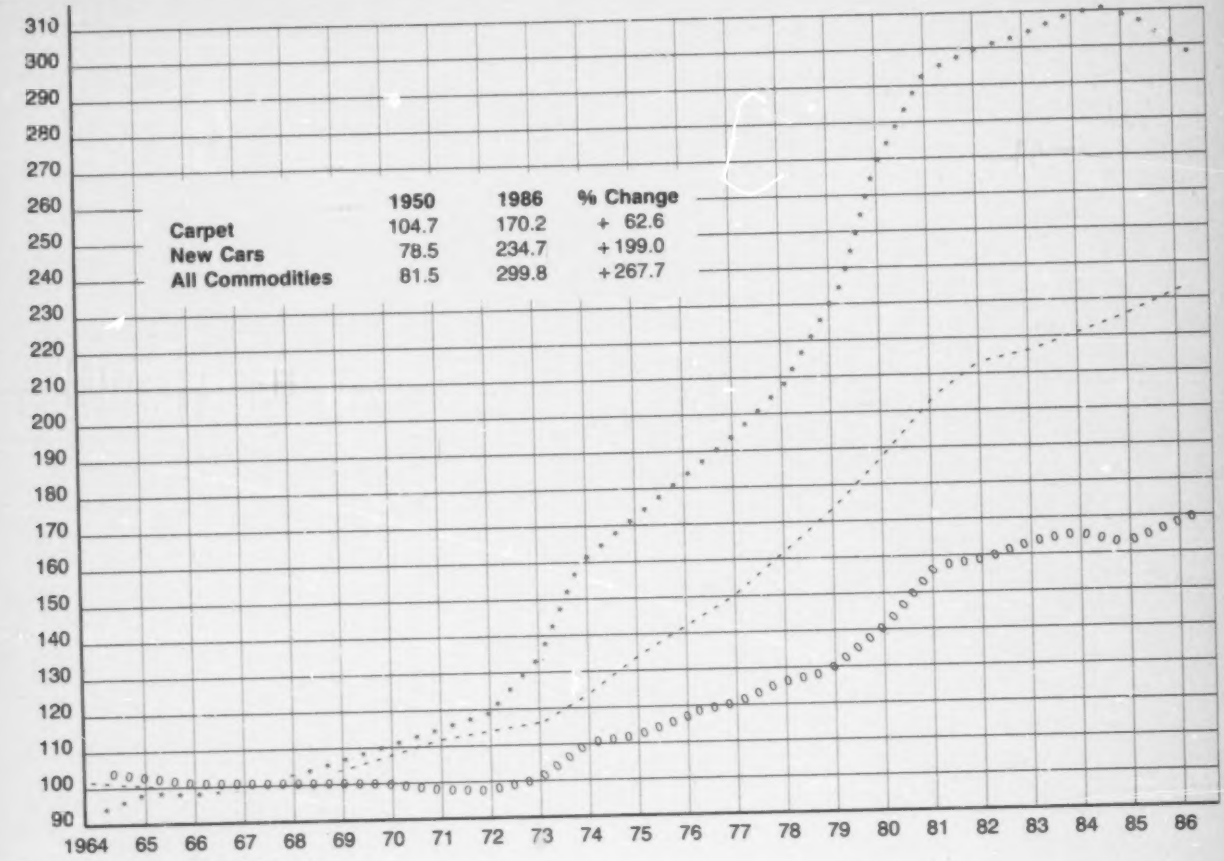
PRODUCER PRICE INDEX (1967 = 100%)



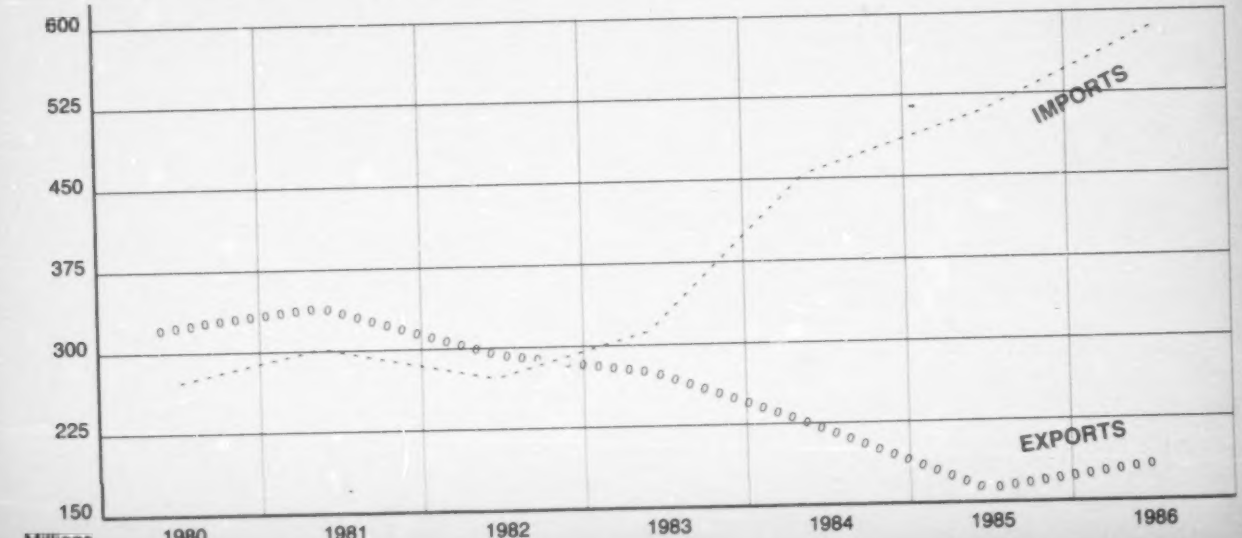
Source: Bureau of Labor Statistics

* * * * * All Commodities

- - - - - - - New Cars

o o o o o o o Carpet

CARPET AND RUG TRADE BALANCE



APPENDIX TABLE 1 — TOTAL INDUSTRY SHIPMENTS — SQUARE YARDS (000's Omitted)

	1980	1981	1982	1983	1984	1985	1986
TUFTED	1,012,794	947,221	830,424	1,014,377	1,058,641	1,099,432	1,184,395
Rugs smaller than 6' x 9'	73,711	72,300	55,394	72,869	72,454	62,598	63,909
Rugs & roll goods larger than 6' x 9'	837,809	808,477	721,847	874,225	899,296	929,033	1,026,042
Artificial Grass for non-athletic surfaces	33,050	22,596	21,432	21,112	20,430	24,456	22,193
Automotive & aircraft	68,224	43,848	31,751	46,171	66,461	83,345	72,251
WOVEN	19,785	14,507	13,592	16,948	14,750	15,187	16,572
ALL OTHER	25,825	28,891	41,795	58,746	41,529	44,536	53,207
Knitted	7,386	6,388	5,565	6,277	6,201	6,147	3,620
Needlepunch	12,681	17,601	30,336	45,639	27,481	30,869	43,185
Braided, Hooked and Other N. E. C.	5,758	4,902	5,894	6,830	7,847	7,520	6,402
TOTAL INDUSTRY	1,058,404	990,619	885,811	1,090,071	1,114,920	1,159,155	1,254,174

Figures may not add due to rounding.
Source: U.S. Department of Commerce, Bureau of the Census, Current Industrial Reports, "Carpet and Rugs," Series MA-22Q.

APPENDIX TABLE 2 — TOTAL INDUSTRY SHIPMENTS — DOLLAR VALUE (000's Omitted)

	1980	1981	1982	1983	1984	1985	1986
TUFTED	4,617,518	4,956,474	4,621,098	5,656,773	6,088,200	6,224,678	6,867,422
Rugs smaller than 6' x 9'	273,323	298,053	277,080	339,372	313,595	318,331	348,516
Roll goods and rugs larger than 6' x 9'	4,013,669	4,398,367	4,107,496	4,996,626	5,405,926	5,437,499	6,057,806
Artificial Grass for non-athletic surfaces	78,437	59,132	56,493	56,738	55,299	58,743	48,862
Automotive & aircraft	252,089	200,922	180,029	264,037	313,380	410,105	412,238
WOVEN	197,772	178,559	194,659	219,699	215,604	227,779	235,196
ALL OTHER	98,554	115,358	144,996	168,783	157,712	153,229	193,457
Knitted	41,595	44,295	46,528	45,901	49,925	46,858	34,244
Needlepunch	29,052	45,145	72,031	93,118	65,673	61,902	105,716
Braided, Hooked and Other N. E. C.	27,907	25,918	26,437	29,764	42,114	44,469	53,497
TOTAL INDUSTRY	4,913,844	5,250,391	4,960,753	6,045,255	6,461,516	6,605,686	7,296,075

Figures may not add due to rounding.
Source: U.S. Department of Commerce, Bureau of the Census, Current Industrial Reports, "Carpet and Rugs," Series MA-22Q.

APPENDIX TABLE 3 — TOTAL INDUSTRY SHIPMENTS — QUARTERLY ANALYSIS (000's Omitted)

YEAR	QUARTER	SQUARE YARDS	DOLLARS
1985		1,159,155	$6,605,686
	1st	264,230	1,507,711
	2nd	305,975	1,729,811
	3rd	301,240	1,714,742
	4th	287,710	1,653,422
1984		1,114,920	$6,461,516
	1st	276,924	1,588,708
	2nd	295,756	1,697,569
	3rd	276,297	1,600,005
	4th	265,943	1,575,234
1983		1,090,071	$6,045,255
	1st	233,859	1,250,204
	2nd	274,176	1,488,402
	3rd	285,862	1,598,758
	4th	296,174	1,707,891
1982		885,811	$4,960,753
	1st	213,813	1,173,137
	2nd	235,155	1,277,821
	3rd	219,707	1,258,385
	4th	217,136	1,251,410
1981		990,619	$5,250,391
	1st	241,903	1,217,186
	2nd	278,675	1,461,655
	3rd	252,530	1,379,518
	4th	217,611	1,192,032
1980		1,058,404	$4,913,844
	1st	287,880	1,307,283
	2nd	254,327	1,167,474
	3rd	246,290	1,152,448
	4th	269,907	1,286,639
1979		1,206,030	$5,099,090
	1st	279,379	1,141,597
	2nd	299,117	1,272,327
	3rd	309,750	1,309,453
	4th	317,784	1,375,713

Source: U.S. Department of Commerce, Bureau of the Census, Current Industrial Reports, "Carpet and Rugs," Series MQ-22Q.

Note: The Department of Commerce Bureau of the Census, has discontinued the quarterly survey as of January, 1986.

APPENDIX TABLE 4 — TOTAL INDUSTRY SHIPMENTS (000's Omitted)

(Includes all woven, all tufted and all other carpet and rugs combined)

YEAR	SQUARE YARDS (000's)	% Inc. or Dec.	MILL VALUE (000's)	% Inc. or Dec.	PRICE/SQUARE YARD	% Inc. or Dec.
1963	319,489	+13.4	$ 1,074,526	+12.3	$ 3.36	- 1.2
1964	374,384	+17.2	1,241,511	+15.5	3.32	- 1.2
1965	430,257	+14.9	1,382,404	+11.3	3.21	- 3.3
1966	469,197	+ 9.1	1,497,588	+ 8.3	3.19	- 0.6
1967	496,794	+ 5.9	1,615,534	+ 7.9	3.25	+ 1.9
1968	586,155	+18.0	1,972,347	+22.1	3.36	+ 3.4
1969	642,645	+ 9.6	2,186,562	+10.9	3.40	+ 1.2
1970	680,479	+ 5.9	2,215,111	+ 1.3	3.26	- 4.1
1971	755,159	+11.0	2,395,519	+ 8.1	3.17	- 2.8
1972	943,006	+24.9	2,936,284	+22.6	3.11	- 1.9
1973	1,025,389	+ 8.7	3,360,521	+14.5	3.28	+ 5.5
1974	939,133	- 8.4	3,328,844	- 0.9	3.54	+ 7.9
1975	834,037	-11.2	3,092,176	- 7.1	3.71	+ 4.8
1976	939,334	+12.6	3,636,474	+17.6	3.87	+ 4.3
1977	1,074,110	+14.3	4,298,660	+18.2	4.00	+ 3.4
1978	1,162,256	+ 8.2	4,772,550	+11.0	4.11	+ 2.8
1979	1,206,030	+ 3.8	5,099,090	+ 6.8	4.23	+ 2.9
1980	1,058,404	-12.2	4,913,844	- 3.9	4.64	+ 9.7
1981	990,619	- 6.4	5,250,391	+ 6.8	5.30	+14.2
1982	885,811	-10.6	4,960,753	- 5.5	5.60	+ 5.7
1983	1,090,071	+23.0	6,045,255	+21.9	5.55	- 0.9
1984	1,114,920	+ 2.3	6,461,516	+ 6.9	5.80	+ 4.5
1985	1,159,155	+ 4.0	6,605,686	+ 2.2	5.70	- 1.7
1986	1,254,174	+ 8.2	7,296,075	+10.5	5.82	+ 2.1

APPENDIX TABLE 5 — TOTAL BROADLOOM SHIPMENTS (000's Omitted)

(Includes all woven and knitted goods plus tufted roll goods and rugs larger than 6' x 9')

YEAR	SQUARE YARDS (000's)	% Inc. or Dec.	MILL VALUE (000's)	% Inc. or Dec.	PRICE/SQUARE YARD	% Inc. or Dec.
1963	225,332	+15.5	$ 891,005	+13.2	$ 3.95	- 2.0
1964	265,008	+17.6	1,003,398	+16.0	3.90	- 1.3
1965	301,143	+13.6	1,135,892	+ 9.9	3.77	- 3.3
1966	331,279	+10.0	1,222,964	+ 7.7	3.69	- 2.1
1967	368,590	+11.3	1,327,148	+ 8.5	3.60	- 2.4
1968	434,640	+17.9	1,631,226	+22.9	3.75	+ 4.2
1969	494,686	+13.8	1,862,027	+14.1	3.76	+ 0.3
1970	536,352	+ 8.4	1,908,417	+ 2.5	3.56	- 5.3
1971	589,920	+10.0	2,063,071	+ 8.1	3.50	- 1.7
1972	768,389	+30.3	2,594,986	+25.8	3.38	- 5.4
1973	842,240	+ 9.6	2,995,857	+15.5	3.56	+ 5.3
1974	788,944	- 6.3	2,975,069	- 0.7	3.77	+ 5.9
1975	703,423	-10.8	2,744,169	- 7.8	3.90	+ 3.4
1976	789,945	+12.3	3,230,990	+17.7	4.09	+ 4.9
1977	901,173	+14.1	3,816,847	+18.1	4.24	+ 3.7
1978	990,072	+ 9.9	4,257,467	+11.5	4.30	+ 1.4
1979	1,033,348	+ 4.4	4,551,123	+ 6.9	4.40	+ 2.3
1980	898,030	-13.1	4,331,473	- 4.8	4.82	+ 9.5
1981	851,968	- 5.1	4,680,353	+ 8.1	5.49	+13.9
1982	762,436	-10.5	4,405,176	- 5.9	5.78	+ 5.3
1983	918,562	+20.5	5,318,964	+20.7	5.79	+ 0.2
1984	940,677	+ 2.4	5,726,754	+ 7.7	6.09	+ 5.2
1985	974,823	+ 3.6	5,770,879	+ 0.8	5.92	- 2.8
1986	1,068,427	+ 9.6	6,376,108	+10.5	6.02	+ 1.7

APPENDIX TABLE 6 — CARPET AND RUG FIBER SHIPMENTS (MM pounds)

	1981	1982	1983	1984	1985	1986 1st Q	1986 2nd Q	1986 3rd Q	1986 4th Q	1986 Total
*Nylon BCF	633.6	559.5	734.6	770.2	815.4	207.0	217.8	235.6	221.0	881.4
*Nylon Staple	617.4	594.4	815.2	751.0	773.9	180.1	188.6	240.8	228.3	837.8
Polyester Staple	124.0	114.7	139.0	131.4	126.8	31.3	38.4	36.9	38.4	145.0
Polypropylene BCF & Fibrillated	89.5	90.0	147.2[r]	154.1[r]	202.1	49.7	50.5	53.9	61.6	215.7
Polypropylene Staple	67.5	76.8	93.6	96.5	107.4	25.4	30.4	28.1	33.3	117.2
Wool	11.0	9.8	10.7	9.9	11.7	2.7	2.2	2.8	2.5	10.2
TOTALS	1,543.0	1,445.2	1,940.3[r]	1,913.1[r]	2,037.3	496.2	527.9	598.1	585.1	2,207.3

*Only 1981 and 1982 poundages include Aramid.

Source: Textile Organon, Textile Economics Bureau

r-Revised.

APPENDIX TABLE 7 — HOUSING STARTS/TUFTED ROLL GOODS AND RUGS LARGER THAN 6' × 9'

NEW PUBLIC AND PRIVATE HOUSING UNITS STARTED — Seasonally adjusted Annual Rate

Year	MM Units	% Inc. or Dec.
1968	1,545.4	+16.9
1969	1,499.5	- 3.0
1970	1,469.0	- 2.0
1971	2,084.5	+41.1
1972	2,378.5	+14.1
1973	2,057.3	-13.5
1974	1,352.5	-34.3
1975	1,171.4	-13.4
1976	1,547.6	+32.1
1977	2,001.7	+29.3
1978	2,036.1	+ 1.7
1979	1,760.0	-13.6
1980	1,312.6	-25.4
1981	1,100.3	-16.2
1982	1,072.1	- 2.6
1983	1,712.5	+59.7
1984	1,755.8	+ 2.5
1985	1,745.0	- 0.6
1986	1,807.0	+ 3.6

Source: U.S. Department of Commerce, Bureau of the Census, Construction Reports, Housing Starts, C-20-86-1.

***TUFTED ROLL GOODS AND RUGS LARGER THAN 6' x 9' (Incl. Artificial Grass)**

Year	Square Yards (000's Omitted)	% Inc. or Dec.
1968	394,747	+20.1
1939	455,341	+15.4
1970	502,280	+10.3
1971	558,565	+11.2
1972	734,308	+31.5
1973	809,435	+10.2
1974	756,386	- 6.5
1975	676,713	-10.5
1976	762,217	+12.6
1977	875,882	+14.9
1978	963,420	+10.0
1979	1,004,450	+ 4.3
1980	870,859	-13.3
1981	831,073	- 4.6
1982	743,280	-10.6
1983	895,337	+20.5
1984	919,726	+ 2.7
1985	953,489	+ 3.7
1986	1,026,042	+ 7.6

Source: U. S. Department of Commerce, Bureau of the Census, Current Industrial Reports, "Carpet and Rugs," Series MA-22Q.

*Mill Shipments

APPENDIX TABLE 8 — CARPET/RUG EXPORTS (000's Omitted)

Year	Sq. Yds.	% Inc. or Dec.	Dollars*	% Inc. or Dec.
1975	20,895	—	$ 86,173	—
1976	24,630	+17.9	102,456	+18.9
1977	23,865	- 3.1	105,786	+ 3.3
1978	31,763	+33.1	147,322	+39.3
1979	43,763	+37.8	212,272	+44.1
1980	68,617	+56.8	320,281	+50.9
1981	60,460	-11.9	335,172	+ 4.6
1982	50,265	-16.9	286,182	-14.6
1983	48,342	- 3.8	264,092	- 7.7
1984	36,029	-25.5	216,412	-18.1
1985	24,767	-31.3	165,108	-23.7
1986	29,866	+20.6	181,151	+ 9.7

Source: U.S. Department of Commerce, Bureau of the Census, EM 522 and 526. Excludes Underlayment.

*F.A.S. Country of Origin - not including freight and duty cost.

CARPET/RUG IMPORTS (000's Omitted)

Year	Sq. Yds.	% Inc. or Dec.	Dollars**	% Inc. or Dec.
1975	10,751	—	$ 87,292	—
1976	13,988	+30.1	119,705	+37.1
1977	13,871	- 0.8	146,319	+22.2
1978	15,032	+ 8.4	189,846	+29.7
1979	14,151	- 5.9	199,752	+ 5.2
1980	13,798	- 2.5	276,311	+38.3
1981	14,151	+ 2.6	299,226	+ 8.3
1982	17,122	+21.0	267,594	-10.6
1983	23,813	+39.1	317,264	+18.6
1984	37,961	+54.4	458,936	+44.7
1985	51,764	+36.4	510,356	+11.2
1986	48,525	- 6.3	585,831	+14.8

Source: U.S. Department of Commerce, Bureau of the Census, IM 145 and 146. Excludes Underlayment.

**C.I.F. values (cost, insurance and freight)

APPENDIX TABLE 9 — CARPET/TOTAL TEXTILE BALANCE OF TRADE (000's Omitted)

PERIOD	CARPET IMPORTS	CARPET EXPORTS	BALANCE OF CARPET TRADE	TEXTILES IMPORTS	TEXTILES EXPORTS	BALANCE OF TEXTILE TRADE*
1975	$ 87,292	$ 86,173	- 1.29%	$ 1,336	$ 1,625	+21.63%
1976	119,705	102,456	-14.41%	1,791	1,970	+09.99%
1977	146,319	105,786	-27.71%	1,939	1,959	+01.03%
1978	189,846	147,322	-22.40%	2,400	2,225	-07.29%
1979	199,752	212,272	+ 6.26%	2,399	3,189	+32.93%
1980	276,311	320,281	+15.91%	2,676	3,632	+35.73%
1981	299,226	335,172	+12.01%	3,250	3,619	+11.35%
1982	267,594	286,182	+ 6.95%	3,000	2,784	-07.20%
1983	317,264	264,092	-16.76%	3,460	2,368	-31.56%
1984	458,936	216,412	-52.84%	4,874	2,382	-51.13%
1985	510,356	165,108	-67.65%	5,274	2,366	-55.14%
1986	585,831	181,151	-69.08%	6,151	2,570	-58.22%

*Textiles include all yarns, fiber, carpet, rugs, and fabric. F.A.S. values for Exports and C.I.F. values for Imports.
Sources: U.S. Department of Commerce, Bureau of the Census, IM 145, IM 146, EM 522, EM 546, FT 135, and FT 140.

APPENDIX TABLE 10 — 1986 EXPORTS OF CARPET AND RUGS BY TYPE (000's Omitted)

Country of Destination	TUFTED		MACHINE WOVEN		NEEDLEPUNCH		ALL OTHERS		TOTAL	
	Sq. Yds.	Dollars	Sq. Yds.	Dollars	Sq. Yds.	Dollars	Sq. Yds.	Dollars	Sq. Yds.	Dollars
Argentina	2	21	0	8	0	0	0	0	2	29
Australia	125	979	45	484	0	0	202	444	372	1,907
Austria	3	22	0	3	8	45	4	131	15	201
Bahamas	142	1,128	91	553	0	0	66	435	299	2,116
Bahrain	435	2,611	59	360	0	0	1	7	495	2,978
Barbados	48	282	33	264	0	0	45	188	126	734
Belgium	46	457	24	240	0	0	49	59	119	756
Belize	2	8	1	7	0	0	2	7	5	22
Bermuda	83	542	45	365	0	0	6	62	134	969
Bolivia	6	48	1	17	0	0	0	1	7	66
Brazil	0	0	0	6	0	0	0	0	0	6
Brunei	3	18	0	0	0	0	0	20	3	38
Cameroon	1	3	0	0	0	0	0	0	1	3
Canada	3,975	25,150	370	2,444	327	1,088	1,122	3,874	5,794	32,556
Cayman Islands	51	333	32	123	0	0	4	26	87	482
Chile	15	51	1	29	0	0	0	0	16	80
China (Mainland)	53	226	2	62	0	0	0	2	55	290
China (Taiwan)	66	661	21	100	0	0	9	16	96	777
Colombia	88	288	20	69	1	6	58	198	167	561
Costa Rica	1	7	9	112	0	0	1	8	11	127
Cyprus	18	87	40	366	0	0	0	0	58	453
Denmark	10	95	1	3	0	0	0	1	11	99
Djibuti	4	40	0	0	0	0	0	0	4	40
Dominican Republic	83	481	34	268	0	0	5	33	122	782
Ecuador	1	12	0	7	0	0	0	0	1	19
Egypt	0	0	1	4	0	0	2	20	3	24
El Salvador	31	135	1	8	0	0	0	2	32	145
Finland	19	50	0	0	0	0	[illegible]	3	19	53
France	21	216	5	79	0	0	4	68	30	363
French Pacific Islands	2	14	1	11	0	0	5	18	8	43
French West Indies	0	3	5	19	0	0	0	0	5	22
Germany (East)	6	97	0	0	0	0	0	0	6	97
Germany (West)	141	1,210	66	1,753	19	100	182	1,456	408	4,519
Ghana	16	28	12	47	0	0	0	0	28	75
Greece	1	3	0	17	0	0	1	5	2	25
Guatemala	1	18	4	51	0	0	5	48	10	117
Guyana	0	0	2	4	0	0	0	0	2	4
Haiti	3	18	10	48	0	0	36	28	49	94
Honduras	14	108	2	26	0	0	3	27	19	161
Hong Kong	260	1,835	282	4,924	0	0	51	226	593	6,985
Iceland	2	50	0	2	0	0	0	2	2	54
India	2	11	0	3	0	0	0	0	2	14
Indonesia	10	78	11	159	0	0	1	8	22	245
Ireland	2	26	5	71	0	0	0	0	7	97
Israel	2	13	1	18	0	0	0	0	3	31
Italy	10	129	5	87	1	6	6	62	22	284
Ivory Coast	2	14	0	3	0	0	0	0	2	17
Jamaica	27	160	15	117	0	3	40	319	82	599
Japan	1,111	6,680	390	2,121	0	0	22	258	1,523	9,059
Jordan	315	1,842	45	374	0	0	2	17	362	2,233
Kenya	0	0	1	7	0	0	0	0	1	7
Korea (Republic)	696	3,956	19	380	0	0	4	24	719	4,360
Kuwait	1,439	9,904	204	1,306	0	0	44	159	1,687	11,369

Country of Destination	TUFTED		MACHINE WOVEN		NEEDLEPUNCH		ALL OTHERS		TOTAL	
	Sq. Yds.	Dollars	Sq. Yds.	Dollars	Sq. Yds.	Dollars	Sq. Yds.	Dollars	Sq. Yds.	Dollars
Lebanon	21	181	29	217	0	0	0	0	50	398
Leeward & Windward Is	15	79	46	133	0	0	28	157	89	369
Liberia	7	37	2	17	0	0	0	0	9	54
Madagascar	0	0	0	5	0	0	0	0	0	5
Malaysia	99	611	15	47	0	0	1	38	115	696
Malta	0	0	0	1	0	0	0	0	0	1
Mexico	103	640	72	607	1	7	23	116	199	1,370
Morocco	0	3	0	4	0	0	0	0	0	7
Namibia	0	1	1	9	0	0	5	26	6	36
Netherlands	103	799	6	284	0	0	4	99	113	1,182
Netherlands Antilles	65	518	49	231	0	0	33	158	147	907
New Zealand	40	145	0	12	0	0	0	0	40	157
Norway	47	297	11	157	0	0	0	0	58	454
Oman	158	1,011	23	141	0	0	6	65	187	1,217
O.W.AF	0	0	0	1	0	0	0	0	0	1
Pacific Is. (Africa-Other)	6	35	0	0	0	0	0	0	6	35
Pacific Is. (Territory)	0	1	2	3	0	0	0	0	2	4
Pakistan	1	25	0	0	0	0	2	56	3	81
Panamá	42	344	253	830	2	3	36	144	333	1,321
Paraguay	10	270	13	178	0	0	11	385	34	833
Peru	1	8	0	4	0	0	0	1	1	13
Philippines	5	94	2	29	0	0	0	2	8	125
Portugal	0	0	4	36	0	0	0	0	4	36
Qatar	372	2,947	20	100	0	0	4	61	396	3,108
Saudi Arabia	7,420	36,468	2,754	15,028	0	0	133	1,141	10,307	52,637
Singapore	281	1,639	85	564	0	0	70	239	436	2,442
South Africa (Republic of)	78	561	2	87	0	0	2	29	82	677
Spain	3	31	2	11	0	0	12	61	17	103
Sri Lanka	0	0	17	133	0	0	0	0	17	133
Surinam	0	0	2	17	0	0	0	0	2	17
Sweden	76	567	25	105	0	0	2	46	103	718
Switzerland	55	504	42	742	39	302	22	864	158	2,412
Syria	5	43	0	0	0	0	2	10	7	53
Thailand	0	0	2	15	0	0	0	0	2	15
Trinidad	265	1,085	36	195	0	0	28	114	329	1,394
Turk Islands	1	3	1	7	0	0	0	1	2	11
United Arab Emirates	1,587	8,951	426	2,578	0	0	7	30	2,020	11,559
United Kingdom	633	4,583	162	1,308	21	114	63	2,923	879	8,928
Uruguay	0	1	0	0	0	0	0	0	0	1
U.S.S.R.	4	66	0	0	0	0	0	0	4	66
Venezuela	17	180	29	153	0	0	2	16	48	349
Yemen (Sana)	0	0	6	29	0	0	0	0	6	29
Yugoslavia	0	11	0	0	0	0	0	0	0	11
TOTALS	20,914	122,887	6,055	41,547	419	1,673*	2,478	15,043*	29,866*	181,151*

* Does no add due to rounding.

Source: U. S. Department of Commerce, Bureau of the Census EM 546.

Notes: Dollar value reported F.A.S. country of origin - not including freight and duty cost.
Data exclude underlayment.

APPENDIX TABLE 11 — 1986 IMPORTS OF CARPET AND RUGS BY TYPE (000's Omitted)

Country of Origin	TUFTED		BRAIDED		HANDMADE ORIENTAL		MACH. WOVEN		ALL OTHERS		TOTAL	
	Sq. Yds.	Dollars	Sq. Yds.	Dollars	Sq. Yds.	Dollars	Sq. Yds.	Dollars	Sq. Yds.	Dollars	Sq. Yds.	Dollars
Afghanistan	0	0	0	0	24	644	0	5	22	247	46	896
Antigua	0	0	0	0	0	6	0	0	0	0	0	6
Argentina	0	0	0	0	0	109	0	5	1	4	1	118
Australia	60	1,855	0	0	0	20	32	416	1	9	93	2,300
Austria	0	4	0	0	0	8	0	21	15	445	15	478
Bahrain	0	0	0	0	0	0	0	0	0	6	0	6
Bangladesh	0	0	0	1	0	1	10	56	5	28	15	86
Barbados	0	2	0	0	3	177	0	0	0	0	3	179
Belgium	4,907	23,481	21	192	25	565	5,440	51,567	755	2,653	11,148	78,458
Bolivia	0	0	0	0	0	3	0	0	0	5	0	8
Botswana	0	0	0	0	0	1	0	0	0	0	0	1
Brazil	4	37	0	0	1	37	69	381	62	333	136	788
Bulgaria	0	3	0	0	0	0	0	1	1	4	1	8
Cameroon	0	0	0	0	0	0	0	3	1	14	1	17
Canada	3,063	16,388	7	12	7	301	58	644	349	1,445	3,484	18,790
Central Afrian Republic	0	0	0	0	0	0	0	26	0	0	0	26
Chile	0	0	0	0	0	0	0	0	0	1	0	1
China (Mainland)	353	10,627	12	139	1,233	71,983	4	182	246	1,531	1,848	84,462
China (Taiwan)	5	130	30	135	3	152	16	195	11	105	65	717
Colombia	0	3	0	0	0	5	0	0	0	1	0	9
Costa Rica	0	0	0	0	0	0	1	8	0	0	1	8
Cyprus	0	0	0	0	0	12	0	0	0	0	0	12
Czechslovakia	0	0	0	0	0	3	0	0	0	0	0	3
Denmark	116	1,321	1	3	3	74	242	3,121	55	597	417	5,116
Dominican Republic	0	0	0	0	0	0	0	5	0	115	0	120
Ecuador	0	0	0	0	0	10	0	0	0	0	0	10
Egypt	0	0	0	7	8	595	0	5	2	46	10	653
El Salvador	3	9	0	0	0	0	0	0	0	0	3	9
Ethiopia	0	0	0	0	1	11	0	0	0	1	1	12
Finland	0	1	1	13	1	34	1	56	5	184	7	288
France	13	157	0	18	8	577	140	1,742	61	462	222	2,956
French West Indies	0	0	0	0	0	0	2	21	0	0	2	21
Germany (East)	0	0	0	0	0	0	0	1	0	1	0	2
Germany (West)	260	2,196	8	51	26	3,169	124	1,635	348	2,911	766	9,962
Ghana	0	0	0	0	0	0	1	16	0	0	1	16
Gibraltar	0	0	0	0	0	0	0	0	0	3	0	3
Greece	308	1,935	0	1	16	79	130	823	2	60	456	2,898
Greenland	0	0	0	0	0	1	0	0	0	0	0	1
Guatemala	0	0	0	0	0	0	0	0	1	10	1	10
Haiti	1	11	0	7	0	0	0	0	4	63	5	81
Hong Kong	45	2,395	5	33	79	5,254	2	128	8	206	139	8,016
Hungary	0	0	0	0	3	134	1	8	10	148	14	290
Iceland	0	28	0	0	0	0	0	9	0	2	0	39
India	19	483	5	71	1,635	69,784	234	1,598	13,314	40,385	15,207	112,319
Indonesia	0	0	0	0	0	11	1	10	1	7	2	28
Iran	1	101	0	8	698	51,197	6	164	7	353	712	51,823
Iraq	1	4	0	0	1	30	0	22	0	0	2	56
Ireland	5	89	0	0	1	68	346	5,527	385	2,566	737	8,270
Israel	9	209	0	0	2	126	184	2,401	0	9	195	2,745
Italy	6	77	0	2	3	569	381	2,902	37	294	428	3,844
Ivory Coast	0	0	0	0	1	88	0	1	0	6	1	95
Japan	132	2,724	3,801	18,076	23	1,411	119	1,773	665	2,360	4,740	26,342
Jordan	0	0	0	0	0	0	0	0	[illegible]	5	0	5

Country of Origin	TUFTED		BRAIDED		HANDMADE ORIENTAL		MACH. WOVEN		ALL OTHERS		TOTAL	
	Sq. Yds.	Dollars	Sq. Yds.	Dollars	Sq. Yds.	Dollars	Sq. Yds.	Dollars	Sq. Yds.	Dollars	Sq. Yds.	Dollars
Kenya	0	3	0	0	0	0	0	1	0	110	0	114
Kiribat	0	0	0	0	0	2	0	0	0	0	0	2
Korea	194	4,422	60	529	0	0	11	49	18	188	283	5,188
Kuwait	0	2	0	0	1	117	0	0	0	114	1	233
Laos	0	0	0	0	0	0	0	4	0	0	0	4
Lebanon	0	25	0	0	0	38	0	0	1	41	1	104
Macao	0	0	0	0	2	70	0	0	8	88	10	158
Maurit	0	0	0	0	0	10	0	0	1	41	1	51
Mexico	350	1,859	19	56	12	255	2	8	291	1,340	674	3,518
Morocco	0	5	0	0	24	820	67	380	23	308	114	1,513
Mozambique	0	0	0	0	0	0	0	0	0	4	0	4
Namibia	0	0	0	0	0	4	0	0	0	1	0	5
Nepal	0	4	0	0	8	575	0	2	0	28	8	609
Netherlands	846	7,805	8	55	2	165	214	5,574	512	4,977	1,582	18,576
New Zealand	106	1,802	0	0	1	71	84	1,467	2	29	193	3,369
Nicaragua	0	0	0	0	0	0	1	12	0	0	1	12
Nigeria	1	12	0	0	0	0	1	29	0	10	2	51
Norway	1	12	0	0	0	7	1	10	1	5	3	34
Pakistan	1	30	0	0	687	39,645	3	34	22	288	713	39,997
Panama	0	0	0	0	0	16	0	0	0	0	0	16
Peru	7	64	0	0	1	115	0	6	1	30	9	215
Philippines	15	810	0	0	4	250	16	286	1	8	36	1,354
Poland	0	5	0	0	0	12	0	1	1	28	1	46
Portugal	2	190	0	0	23	562	9	95	94	2,495	128	3,342
Romania	0	0	0	0	200	10,540	6	49	47	1,453	253	12,042
Saudi Arabia	0	2	0	0	1	165	3	37	0	11	4	215
Singapore	1	35	0	0	0	39	0	0	0	23	1	97
South Africa (Republic of)	3	76	0	1	13	143	21	540	7	67	44	827
Spain	83	849	0	12	23	294	755	10,896	21	221	882	12,272
Sri Lanka	0	0	0	0	0	0	8	55	7	50	15	105
Swaziland	13	13	0	0	0	2	0	1	2	31	15	47
Sweden	1	18	1	10	1	133	5	70	19	200	27	431
Switzerland	49	957	0	11	11	651	78	2,299	48	552	186	4,470
Thailand	63	2,010	1	14	2	133	8	208	0	8	74	2,373
Tokelau	0	7	0	0	1	44	0	8	0	19	1	78
Tunisia	0	1	0	0	1	22	1	69	33	69	35	161
Turk Islands	0	0	0	0	0	29	0	3	0	0	0	32
Turkey	1	43	0	2	104	8,727	38	520	127	2,292	270	11,584
U.S.S.R	0	0	0	0	0	49	0	0	0	1	0	50
Uganda	0	0	0	0	25	332	0	0	0	0	25	332
United Arab Emirates	0	2	0	0	4	546	0	0	0	2	4	550
United Kingdom	312	3,579	1	74	8	924	1,562	32,339	122	1,182	2,005	38,099
Venezuela	0	0	0	0	0	17	0	0	0	0	0	17
Yugoslavia	1	14	0	0	1	101	0	1	0	7	2	125
Zaire	0	0	0	0	0	0	0	2	0	0	0	2
TOTALS	11,361	88,927*	3,981	19,532*	4,964*	272,895*	10,437*	130,530*	17,783	73,947*	48,526	585,831

* Does not add due to rounding.

Source: U. S. Department of Commerce, Bureau of the Census, IM 146.

Notes: Dollar value reported F.O.B. country of origin - not including freight and duty cost.
All data exclude underlayment.

APPENDIX TABLE 12 — PRIMARY BACKING CONSUMED (000's Omitted)

MATERIAL	1977	1978	1979	1980	1981	1982	1983
WOVEN (Pounds)							
Cotton	4,380	2,450	2,080	1,506	(D)	(D)	(D)
Jute	9,679	16,346	15,360	4,701	4,294	2,764	4,266
Paper	(D)	—	—	—	—	—	—
Man-Made & All Other	13,218	12,412	15,795	9,292	[1]8,638	[1]8,694	[1]7,605
TOTAL	27,277	31,208	33,235	15,499	15,316	12,729	13,855
TUFTED (Square Yards)							
Cotton	1,022	598	(D)	(D)	3,106	(D)	(D)
Jute	205,493	202,338	122,675	30,397	42,346	22,094	41,213
Paper	—	—	—	—	—	—	—
Man-Made & All Other	761,300	871,949	1,023,967	858,441	[1]832,738	[1]736,112	[1]854,843
TOTAL	973,897	1,080,341	1,152,190	926,397	883,774	766,441	982,517
ALL OTHER (Square Yards)							
Cotton	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Jute	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Paper	—	—	—	—	—	—	—
Man-Made & All Other	23,170	22,046	15,547	14,426	[2]10,496	[3]5,271	[3]7,645
TOTAL	25,902	26,196	18,353	14,999	10,993	27,978	11,834
TOTAL (Square Yards)							
Not Available							

APPENDIX TABLE 13 — SECONDARY BACKING CONSUMED (000's Omitted)

MATERIAL	1977	1978	1979	1980	1981	1982	1983
WOVEN (Square Yards)							
Jute	(D)	(D)	(D)	(D)	(D)	(D)	(D)
M/M, Woven & Non-W	—	(D)	—	—	(D)	(D)	(D)
Cushion-Total	(D)	2,373	2,814	(D)	(D)	(D)	(D)
Foam or High Den		(D)	(D)				
Vinyl, Poly, Other	(D)	(D)	(D)	—	—	(D)	(D)
Other	(D)	(D)	(D)	—	—	—	—
TOTAL	(D)	(D)	(D)	1,110	(D)	(D)	(D)
TUFTED (Square Yards)							
Jute	504,177	570,690	583,316	419,647	463,669	384,442	(D)
M/M, Woven & Non-W	—	21,395	92,825	183,256	171,045	165,602	219,933
Cushion-Total	206,262	245,620	210,004	161,778	128,250	123,822	113,268
Foam or High Den	192,241	225,460	188,660	104,745	92,834	90,510	58,498
Vinyl, Poly, Other	14,021	20,160	21,344	33,043	35,416	33,312	23,955
Other	54,454	52,027	55,746	44,117	48,465	41,316	(D)
TOTAL	783,497	913,163	1,181,318	824,671	812,245	735,041	838,382
ALL OTHER (Square Yards)							
Jute	—	—	—	—	—	—	—
M/M, Woven & Non-W	—	—	—	—	—	—	—
Cushion - Total	(D)	(D)	(D)	2,290	2,862	(D)	(D)
Foam or High Den	(D)	(D)	(D)	1,968	2,862	(D)	(D)
Vinyl, Poly, Other	(D)	(D)	(D)	322	—	(D)	(D)
Other	(D)	(D)	(D)	814	—	(D)	(D)
TOTAL	(D)	(D)	(D)	3,104	2,862	(D)	(D)
TOTAL (Square Yards)							
Jute	514,217	580,437	593,898	429,764	464,362	395,611	432,929
M/M, Woven & Non-W	—	21,873	92,825	183,874	181,166	174,930	239,636
Cushion - Total	216,735	256,592	219,951	165,871	131,827	125,528	117,422
Foam or High Den	199,147	233,349	195,864	122,498	96,411	91,882	85,553
Vinyl, Poly, Other	17,588	23,243	24,087	43,373	35,416	33,646	31,869
Other	61,442	69,644	75,935	49,376	48,465	41,344	56,056
TOTAL	792,394	928,546	982,609	828,885	825,820	737,413	846,043

[1]All Man-Made [2]Man-Made 3,236 [3]All "Other"

(D) Withheld to avoid disclosing figures of individual companies.

Note: Individual figures do not add up to totals because some data were withheld to avoid problems of disclosure.

Source: U.S. Department of Commerce, Bureau of the Census, Current Industrial Reports, "Carpet and Rugs," Series MQ-22Q.

Note: The Department of Commerce, Bureau of the Census, has discontinued the Primary and Secondary backings portions of the MQ-22Q as of January, 1984.

APPENDIX TABLE 14 — TOTAL INDUSTRY SHIPMENTS, POPULATION, TOTAL PERSONAL INCOME

Year	Square Yards (Millions)	Population (Millions)	Square Yards Per Person	Mill Dollar Value (Millions)	Total Personal Income[1] (Billions Current $)	Dollar Shipments as % of Personal Income
1950	97.0	152.3	0.64	$ 584.1	$ 228.1	0.26
1955	138.2	165.9	0.83	612.5	314.2	0.19
1960	200.7	180.7	1.11	778.7	409.4	0.19
1965	430.3	194.3	2.21	1,382.4	552.0	0.25
1970	680.5	204.9	3.32	2,215.1	831.8	0.27
1975	834.0	215.5	3.87	3,092.2	1,313.4	0.24
1980	1,058.4	226.5	4.67	4,913.8	2,258.5	0.22
1981	990.6	229.6	4.31	5,250.4	2,520.9	0.21
1982	885.8	232.0	3.82	4,960.8	2,670.8	0.19
1983	1,090.1	234.3	4.65	6,045.3	2,838.6	0.21
1984	1,114.9	236.5	4.71	6,461.5	3,108.7	0.21
1985	1,159.2	238.7	4.86	6,605.7	3,327.0	0.20
1986	1,254.2	241.0	5.20	7,296.1	3,534,3	0.21

Source: U.S. Department of Commerce, Bureau of the Census
(1): U.S. Department of Commerce, Bureau of Economic Analysis

APPENDIX TABLE 15 — BROADLOOM CARPET SHIPMENTS, HOUSEHOLDS, DISPOSABLE PERSONAL INCOME

Year	SquareYards (Millions)	Households (Thousands)	Square Yards Per Household	Mill Dollar Value (Millions)	Disposable[1] Personal Income (Billions)	Dollar Shipments as % of Disposable Income
1950	85.7	43,554	1.97	$ 536.7	$ 207.5	0.26
1955	98.3	47,874	2.05	520.9	278.8	0.19
1960	148.2	52,799	2.81	667.1	358.9	0.19
1965	301.1	57,436	5.24	1,135.0	486.8	0.23
1970	536.4	63,401	8.46	1,908.4	715.6	0.27
1975	703.4	71,120	9.89	2,744.2	1,142.8	0.24
1980	898.0	80,776	11.12	4,331.5	1,918.0	0.23
1981	852.0	82,368	10.34	4,680.4	2,127.6	0.22
1982	762.4	83,527	9.13	4,405.2	2,261.4	0.19
1983	918.6	83,918	10.95	5,319.0	2,428.1	0.22
1984	940.7	85,407	11.01	5,726.8	2,668.6	0.21
1985	974.8	86,789	11.23	5,770.9	2,841.1	0.20
1986	1,068.4	88.458	12.08	6,376.1	3,022.1	0.21

Source: U.S. Department of Commerce, Bureau of the Census
(1): U.S. Department of Commerce, Bureau of Economic Analysis